

## PATENT

RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 3672

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*I hereby certify that this correspondence is being forwarded, via facsimile, to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on April 17, 2003.*

  
Christa M. Caliva

*URGENT  
DO NOT  
ENTER  
54*

Applicant : Dah-Ben Liang, et al.  
Application No. : 09/637,764  
Filed : August 10, 2000

Title : ROCK BIT WITH HARD-FACING MATERIAL  
INCORPORATING SPHERICAL CAST CARBIDE PARTICLES

Grp/Div. : 3672  
Examiner : Roger J. Schoeppel

Docket No. : 36912/CM/S61

## AMENDMENT AFTER FINAL ACTION

Box AF  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
April 17, 2003

Commissioner:

In response to the Final Action of January 17, 2003, please amend the above-identified application as follows:

In the Claims:

Cancel claims 30 and 34.

Amend claims 28 and 32 and add new claims 40 and 41 as follows:

**facsimile**  
TRANSMITTAL

Date: April 17, 2003  
No. of Pages: 7 (including this cover sheet)  
Fax No: (703) 305-3597

**PLEASE DELIVER THE FOLLOWING PAGES IMMEDIATELY TO:**

Name: Commissioner for Patents  
Art Unit: 3672  
Examiner: Roger J. Schoepel  
Phone: (703) 308-2147

**FAX RECEIVED**

APR 18 2003

**GROUP 3600**

From: Constantine Marantidis  
Reg. No. 39,759

Re: Application No. 09/637,764 ; Filed August 10, 2000  
Entitled ROCK BIT WITH HARD-FACING MATERIAL INCORPORATING  
SPHERICAL CAST CARBIDE PARTICLES

File: 36912/CM/S61

I HEREBY CERTIFY THAT THE FOLLOWING

1. Amendment Transmittal Letter; and
2. Amendment After Final Action

**OFFICIAL**

ARE BEING FACSIMILE TRANSMITTED TO THE PATENT AND TRADEMARK OFFICE  
ON April 17, 2003.

  
Christa M. Caliva

For Office Services Use Only  
Return to Christa M. Caliva

**Christie, Parker & Hale, LLP**  
350 West Colorado Boulevard  
Post Office Box 7068  
Pasadena, CA 91109-7068  
826-795-9900  
Fax: 626-577-8800

**Confidential**

*The information in this transmission is confidential and is intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please notify us immediately by telephone collect, and return the original message to us at the above address via U.S. mail. We will reimburse you for postage. Thank you.*

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AMENDMENT TRANSMITTAL LETTER**

*I hereby certify that this correspondence is being sent via facsimile to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on April 17, 2003.*

  
Christa M. Caliva

Applicant : Dah-Ben Liang, et al.  
Application No. : 09/637,764  
Filed : August 10, 2000  
Title : ROCK BIT WITH HARD-FACING MATERIAL INCORPORATING  
SPHERICAL CAST CARBIDE PARTICLES  
Grp./Div. : 3672  
Examiner : Roger J. Schoeppel  
Docket No. : 36912/CM/S61

**OFFICIAL****FAX RECEIVED**

APR 18 2003

Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
April 17, 2003

**GROUP 3600**

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED						
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE
Total Claims Fee	36	* 38	0	x \$9.00	x \$18.00	\$0.00
Independent Claims	7	** 8	0	x \$42.00	x \$84.00	\$0.00
Multiple Dependent Claims ***				\$140.00	\$280.00	\$0.00
TOTAL FILING FEE						\$0.00
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					\$0.00
LIST INDEPENDENT CLAIMS: 1, 12, 23, 28, 32, 36 and 39						
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3 ** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3 *** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME **** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"						

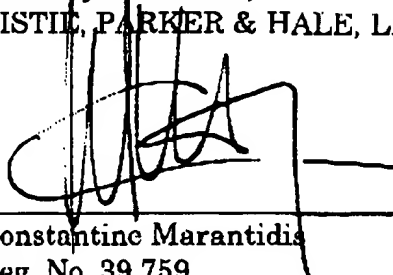
- \_\_\_ Attached is our check for \$ to pay the fees calculated above.  
 \_\_\_ A Petition for Extension of Time and the required fee are enclosed.  
 \_\_\_ Other enclosures:

**Amendment Transmittal Letter  
Application No. 09/637,764**

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A copy of this letter is enclosed.**

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By

  
Constantine Marantidis  
Reg. No. 39,759  
626/795-9900

CM/cmc

CC PAS488853.1.-4/17/03 11:51 AM